

## Contributions: Odd Queries Rohan, Even Queries Shikher

### Explanations:

Query 1: This query was to add a Doctor to the table and prompt the user for the inputs.

Query 2: This query was to add a Patient to the table and prompt the user for the inputs.

Query 3: This query was to add an Appointment to the table and prompt the user for the inputs.

```
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 1
|   Enter doctor_ID: 250
|   Enter name: John
|   Enter speciality: Allergist
|   Enter department_id: 48
No results were returned by the query.
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 2
|   Enter patient_ID: 250
|   Enter name: John Doe
|   Enter gender: M
|   Enter age: 25
|   Enter address: 1234 East London Ave
|   Enter number of appointments: 5
No results were returned by the query.
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 3
|   Enter Appointment ID: 550
|   Enter a date: 9/21/2021
|   Enter time_slot: 1:00-15:00
|   Enter status:
No results were returned by the query.
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: ||
```

Query 4: This query adds an Appointment and checks its status.

```

~/UCR--CS166-Labs/code/java
sshah038@wch135-20 $ source ./run.sh
(1)
(2)
Connecting to database...Connection URL: jdbc:postgresql://localhost:9999/sshah038_DB

Done
MAIN MENU
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 4
|   Enter Appointment ID: 31
|   Enter Patient ID: 2
|   Enter Doctor Name Paul Harris
total row(s): 1
MAIN MENU
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 1

```

Query 5: This query lists the appointments of a given doctor in a date range.

```

~/UCR--CS166-Labs/code/java
sshah038@wch135-20 $ source ./compile.sh
~/UCR--CS166-Labs/code/java
sshah038@wch135-20 $ source ./run.sh
(1)
(2)
Connecting to database...Connection URL: jdbc:postgresql://localhost:9999/sshah038_DB

Done
MAIN MENU
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 5
|   Enter doctor: 0
|   Enter date_A: 1/31/2020
|   Enter date_B: 12/31/2021
total row(s): 19388
MAIN MENU
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 1

```

Query 6: This query lists all given appointments in a department.

Query 7: This query lists all different types of appointments per doctor in descending order.

```
~/UCR-CS166-Labs/code/java
sshah038@wch135-20 $ source ./run.sh
(1)
(2)
Connecting to database...Connection URL: jdbc:postgresql://localhost:9999/sshah038_DB

Done
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 6
|   Enter appointment date: 8/16/2021
|   Enter Department Name: Dermatology
total row(s): 1
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 7
total row(s): 98
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 8
```

Query 8: This query finds the total number of patients per doctor with a given status

```
~/UCR-CS166-Labs/code/java
sshah038@wch135-20 $ source ./run.sh
(1)
(2)
Connecting to database...Connection URL: jdbc:postgresql://localhost:9999/sshah038_DB

Done
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 8
|   Enter status: PA
total row(s): 46
MAIN MENU
-----
1. Add Doctor
2. Add Patient
3. Add Appointment
4. Make an Appointment
5. List appointments of a given doctor
6. List all available appointments of a given department
7. List total number of different types of appointments per doctor in descending order
8. Find total number of patients per doctor with a given status
9. < EXIT
Please make your choice: 8
```